

*Mary Levin*

THE JOHNS HOPKINS UNIVERSITY  
BALTIMORE

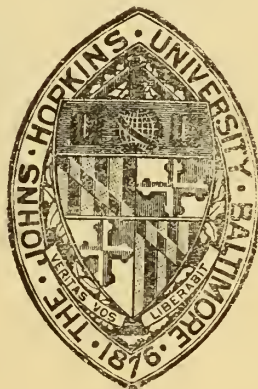
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# CONFERRING OF DEGREES

AT THE CLOSE OF THE FIFTY-SECOND ACADEMIC YEAR

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JUNE 12, 1928



IN THE LYRIC THEATRE

AT 4 P. M.

## MARSHALS

Professor WILLIAM O. WEYFORTH  
*Chief Marshal*

## *Aids*

Professor F. D. MURNAGHAN  
Dr. R. T. ABERCROMBIE  
Professor A. M. CHESNEY  
Professor J. R. MUSSELMAN

Professor W. W. FORD  
Professor FLORENCE E. BAMBERGER  
Professor J. C. SMALLWOOD  
Professor G. H. CARTLEDGE

## USHERS

J. HAMILTON ALLEN  
*Chief Usher*

WILLIAM B. BANKS  
ADDISON CAMPBELL  
JOHN ELDRIDGE  
F. GRIGSBY FARINHOLT  
PAUL FRISCH  
GARLAND HERSHEY  
DONALD HISS

E. BENNETT KOLB  
JOHN R. NORRIS  
HERMAN SCHIEBEL  
DONALD SHARRETTS  
RUSSELL B. STEVENSON  
H. BALDWIN STREETT  
RICHARD TODD

# ORDER OF EXERCISES

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## I

### ACADEMIC PROCESSION

Grand March from “Aida”—*Verdi*

## II

### INVOCATION

The Reverend HAROLD N. ARROWSMITH  
Canon, Cathedral of the Incarnation

## III

### MUSIC

Ballet Suite “Rosamunde”—*Franz Schubert*

## IV

### ADDRESS

Acting President AMES

## V

### CONFERRING OF DEGREES

Bachelors of Arts, presented by Professor ROULSTON  
Bachelors of Engineering, presented by Dean WHITEHEAD  
Bachelors of Science in Chemistry, presented by Dean WHITEHEAD  
Bachelors of Science in Economics, presented by Professor HOLLANDER  
Bachelors of Science, presented by Professor BUCHNER  
Recipients of Certificates in Public Health, presented by Professor HOWELL  
Master of Mechanical Engineering, presented by Dean WHITEHEAD  
Masters of Arts, presented by Professor MILLER  
Doctors of Engineering, presented by Dean WHITEHEAD  
Doctors of Public Health, presented by Professor HOWELL  
Doctors of Science in Hygiene, presented by Professor HOWELL  
Doctors of Medicine, presented by Dean WEED  
Doctors of Philosophy, presented by Professor MILLER

## VI

PRESENTATION OF COMMISSIONS IN THE OFFICERS' RESERVE CORPS

## VII

### ANNOUNCEMENTS

THE ACTING PRESIDENT OF THE UNIVERSITY

## VIII

### MUSIC

“Stars and Stripes Forever”—*Sousa*

## IX

### BENEDICTION

# CANDIDATES FOR DEGREES

## BACHELORS OF ARTS

CARL RICHARD AHROON, of Maryland	WILLIAM RALPH KIRKLEY, of Maryland
JOSEPH GILLESPIE ARMSTRONG, 3RD, of Massachusetts	CHRISTOPHER GEORGE KNORR, of New York
DAVID MORTON ASHKENAZ, of Maryland	ZANVYL KRIEGER, of Maryland
EPHRAIM MORTON BAKER, of Maryland	JULIUS HAROLD KUSHNICK, of Maryland
LEWIS FRANKLIN BALL, of Maryland	THEODORE WILLIAM LANGER, of New York
JOHN WALMSLEY BARNABY, JR., of Washington	CARL SMITH LAUSCH, of Maryland
FREDERICK BAUERNSCHMIDT, of Maryland	SAMUEL LEGUM, of Maryland
JESSE RANKIN BEALL, of South Carolina	DANIEL BURKE LEONARD, of Maryland
DONALD MACFARLANE BECKWITH, of New York	WILLIAM GARDNER LYNN, of Maryland
MARK TURNER BENSON, of Maryland	DONALD ROSS MACAULAY, of Massachusetts
GEORGE MAUDUIT BERRY, of Maryland	PHILIP MARGOLIS, of Maryland
THOMAS NICHOLS BIDDISON, of Maryland	WESLEY KWOH-CHEN MAY, of Ohio
JOHN WILLIAMS BOYNTON, of New York	JOSEPH ALVIN MCKNIGHT, JR., of Pennsylvania
MAURICE ROME BROWN, of Maryland	CHARLES RANDOLPH MENGERS, of Maryland
JOHN MAXWELL BYERS, of Maryland	JOSEPH EDMUND MILLS, JR., of Maryland
ARTHUR BERNARD CHANCELLOR, JR., of Maryland	ALFRED CHARLES MOORE, of Maryland
SIDNEY COPLAN, of Maryland	WALTER GENSEMER MORRISON, of Maryland
RONALD ATMORE COX, of Maryland	EDWIN APPLETON MORTON, of Maryland
LEONARD DALSEMER, of Maryland	ARTHUR NACHLAS, of Maryland
ROBERT LEONARD DASHEW, of Maryland	WILLIAM JEROME NATT, of New York
JACOB DEANE, of Maryland	GEORGE THOMAS NESS, JR., of Maryland
B. MATTHEW DEBUSKEY, of Maryland	ARNOLD ARDUIN ORTMAN, of Maryland
JOHN STEPHEN DOYLE, JR., of Maryland	WILLIAM EDWIN OWENS, of Maryland
LOWELL SKINNER ENSOR, of Maryland	BERNARD PHILLIPS, of New York
BENJAMIN H. FAGAN, of Maryland	HERMAN DAVIS PIEL, of Maryland
DAVID FEINGOLD, of Maryland	BERNARD POLAN, of Maryland
CORNELIUS SHAW FRANCKLE, JR., of New Jersey	ROBERT GAMBLE POSEY, of Pennsylvania
ABRAHAM JACOB FREEDMAN, of Maryland	KENNETH CHAUNCEY PROCTOR, of Maryland
REUBEN ABE FRIEDMAN, of Maryland	ROBERT ANDREW REITER, of Maryland
NORMAN BENTLEY GARDINER, JR., of Maryland	EVANS RODGERS, JR., of Maryland
DAVID ABRAHAM GERSHENSON, of Maryland	MARTIN COLLINS ROGERS, of New York
AARON GOLDSTEIN, of North Carolina	VERNON EDWARD SCHEID, of Maryland
HYMAN LEVY GRANOFF, of Maryland	HARRY SELIS, of Maryland
GEORGE RICHARDS GWINN, of Maryland	LEROY JAMES SHEATS, of Maryland
MORTON HAMBURGER, JR., of Maryland	WILLIAM RAINE SMITH, of Maryland
CHARLES DAVID HARRIS, of Maryland	CHARLES STEIN, of Maryland
MANES SCHEUER HECHT, of Maryland	JOSEPH NATHAN ULMAN, JR., of Maryland
JOSEPH LOU ELLISON HURWITZ, of Maryland	GEORGE BYRD PAGE WARD, of Maryland
MEYER WILLIAM JACOBSON, of Maryland	HELMAN CHAIM WASSERMAN, of Indiana
FRANK JOSEPH JARZYNSKA, of Michigan	DONALD WHITE, of Maryland
ARTHUR COHEN KALISCH, of Pennsylvania	WILLIAM EDWARD WYATT, JR., of Maryland
DAVID KAUFMAN, of Maryland	YU CHANG YIN, of China

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## HONOR LIST

SIDNEY COPLAN  
B. MATTHEW DEBUSKEY  
AARON GOLDSTEIN

PHILIP MARGOLIS  
JOSEPH ALVIN MCKNIGHT, JR.  
EVANS RODGERS, JR.

## BACHELORS OF ENGINEERING

RANSOM CARROLL ALBRECHT, of Maryland	GEORGE BERNARD KIDD, of Maryland
GEORGE MAXWELL ARMOR, JR., of Maryland	DONALD ROBERT LANG, of Maryland
ALBERT GORDON ARMSTRONG, of Maryland	JOHN HEYER LAWRENCE, of Maryland
ALFREDO BAÑOS, JR., of Maryland	THOMAS RUPERT LAWSON, of Maryland
ERLE PARK BARLOW, of Maryland	JOHN GOULD LECKIE, of Maryland
PHILLIP HAYES BARNES, of Maryland	EDWARD SICKEL LOANE, of Maryland
LEO JOSEPH BERBERICH, of Virginia	FRANK IRWIN LOUCKES, of Maryland
ATTWOOD FITZALLEN BLUNT, of Maryland	BURGESS CUMMINS MACNEAL, of Maryland
FRANK WINFIELD BROWN, of Maryland	FRANK J. MAGUIRE, JR., of Maryland
WALTER SCOTT BROWN, of Maryland	JOHN GASSMAN MATTHEWS, of Maryland
JOHN SIMEON BRUENING, JR., of Maryland	JAMES BERNARD MCCURLEY, of Maryland
LEONARD AUGUSTUS COVELL, of Maryland	ALBERT MILLARD MUSGROVE, JR., of Maryland
GORDON HALL DEW, of Maryland	CHARLES PITTS NICHOLSON, JR., of Maryland
WILLIAM PFETZING DITTMAR, of Maryland	JOHN STUART O'TOOLE, of Maryland
FRANK HENRY DOTTERWEICH, of Maryland	WATSON FARLEY PINDELL, of Maryland
RAYMOND MATHEW FINN, of Maryland	ELMER VERNON POTTER, JR., of Maryland
GEORGE GABEL, JR., of Maryland	FERDINAND CONRAD SCHMIEDICKE, of Maryland
HOWARD JOHNSON GEOGHEGAN, of Maryland	NATHAN SCHOFER, of Maryland
THOMAS LEWIS GIBSON, JR., of Maryland	JOHN RUSSELL SCHULTHEIS, of Maryland
WILLIAM GRAF, JR., of Maryland	WILLIAM SCHWARZ, of Maryland
CARL AUGUST HEINZ, of Maryland	EDWARD MAGAW SKIPPER, of Maryland
GEORGE THIEMEYER HEMMETER, of Maryland	EMORY LEE STINCHCOMB, JR., of Maryland
LOUIS WILLIAM HERBST, JR., of Maryland	CRUIKSHANK STUART, of Maryland
JAMES MITCHELL HESSER, of Virginia	HARRY RIDGELY WARFIELD, JR., of Maryland
RICHARD DRUMMOND HICKMAN, of Maryland	GUSTAVE GEORGE WERNER, of Maryland
EDWIN THOMAS HOBBS, JR., of Maryland	FRED WEST, of Maryland
JAMES WALLACE JOYCE, of Maryland	EDWIN HERMAN WHITE, of Maryland

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## HONOR LIST

RANSOM CARROLL ALBRECHT	NATHAN SCHOFER
ALFREDO BAÑOS, JR.	EDWARD MAGAW SKIPPER
JAMES WALLACE JOYCE	HARRY RIDGELY WARFIELD
EDWARD SICKEL LOANE	GUSTAVE GEORGE WERNER

## BACHELORS OF SCIENCE IN CHEMISTRY

WILLIAM HAMMETT DAIGER, of Maryland	EARL GLENDON INSLEY, of Maryland
RAYMOND BERTRAM EVANS, of Maryland	WILLIAM EVERETT LAND, of Maryland
EDWARD MELCHOIR HOSHALL, of Maryland	ISIDOR SOLOMON ROSEN, of Maryland

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## BACHELORS OF SCIENCE IN ECONOMICS

ALEXANDRE ANTONOVITCH BARKOWSKY, of New York	ZOLMAN HARRY MILLISON, of Maryland
JOSEPH GREGORY BLANDI, of New York	LOUIS STOLL NIXDORFF, of Maryland
JEAN CARR BRAWNER, of Maryland	HARRY RICHARD PIET, JR., of Maryland
SAMUEL HECHT, of Maryland	DOUGLAS THOMPSON PRAHL, of New Hampshire
EDWARD DUNCAN HYDE, of Maryland	NORMAN LAWRENCE ROBINSON, of Maryland
CHARLES WILLIAM McELFRESH, of Maryland	OSMAR PAUL STEINWALD, of Maryland
DONALD CHARLES WEILLER, of Maryland	

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## BACHELORS OF SCIENCE

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| <p> <del>EMILY ELISABETH AUSTIN, of Maryland</del><br/> MARGARET RACHEL BARRETT, of New York <i>- Genser</i><br/> ✓ WINEFRED ELIZABETH BARRETT, of Maryland<br/> <del>CHARLES CALVIN BRUNNER, of the District of Columbia</del><br/> ✓ ELIZABETH SANFORD BUCHNER, of Maryland<br/> SARAH MEDORA CAMPBELL, of Maryland<br/> ZELMA CARMEL, of Maryland<br/> MAY ROSE DIXON, of Maryland<br/> LILLIAN DONOVAN, of Maryland<br/> WILLIAM GEORGE EWALD, of Maryland<br/> ✗ ANDREW MENARIS FRANCE, of Maryland<br/> ELEANOR FRUSH, of Maryland<br/> VIRGINIA RODGERS FRY, of Maryland<br/> EVA ELIZABETH GERSTMAYER, of Maryland<br/> ACHSAH ELIZABETH GIBSON, of Maryland<br/> IDA SARAH GOULINE, of Maryland<br/> HELEN VEOLA GREENHOLT, of Maryland<br/> GRACE MARIE GUARINO, of Maryland<br/> REBECCA HARRIS, of Maryland<br/> WALTER REID IRVING, of Maryland<br/> ✗ EMMA FRANCES KOCH, of Maryland </p> | <p> RUTH MARGARET MAGILL, of Maryland<br/> LOUISE ADAMS MANN, of Maryland<br/> ANNA SEDONIA MCCLINTOCK, of Maryland<br/> IDA MYRTLE MITCHELL, of Maryland<br/> MARY KATHARINE MOFFATT, of Maryland<br/> <del>SUMNER ABRAHAM PARKER, of Maryland</del><br/> MARY ROSE PATTERSON, of Maryland<br/> GUSSIE POLIAKOFF, of South Carolina<br/> LUCILLE ELAINE PURDIE, of Maryland<br/> MARGARET KELLY REESE, of Maryland<br/> ✓ MILTON LUTHER REGUS, of Maryland<br/> <del>SISTER M. ROSALITA REILLY, of Maryland</del><br/> EBERHARD EDMUND REUTTER, of Maryland<br/> HARRIET QUINN RIGNEY, of Maryland<br/> MARTHA ELIZABETH ROSSMEISL, of Maryland<br/> MARY BERYL BECK SABINE, of Maryland<br/> HELENA CLARA SCHARF, of Maryland<br/> ELLEN MARIE TAYLOR, of Maryland<br/> ELINOR ELIZABETH WOOD, of Maryland<br/> ROBERT HALL WOODS, of Maryland </p> |
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## RECIPIENTS OF CERTIFICATES IN PUBLIC HEALTH

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| <p> LAUREANO ALBALADEJO, of Spain, L.M. University of Madrid 1918; M.D. 1919<br/> BEHAEDDIN FAHIK BEY, of Turkey, M.D. Faculty of Medicine Constantinople 1914<br/> CHARLES BRIGGS CRITTENDEN, of Tennessee, M.D. Vanderbilt University 1912<br/> IGNATIUS JOSEPH CRUCHLEY, of Jamaica, M.R.C.S. England, L.R.C.P. London 1919<br/> NELSON CARYL DAVIS, of California, A.B. University of California 1917; A.M. 1919; M.D. 1921<br/> JULIO FREIJANES, of Spain, M.D. University of Madrid 1921<br/> FRANCIS STEPHEN HOFER, of Hungary, M.D. University of Budapest 1916<br/> RINSHO ISHII, of Japan, M.D. Kyushu Imperial University 1917<br/> JOHN HALL JANNEY, JR., of Maryland, S.B. Earlham College 1913; M.D. Johns Hopkins University 1917 </p> | <p> YOSHIO KUSAMA, of Japan, A.B. Stanford University 1916; M.D. 1920; Dr.M.Sc. Keio University 1924<br/> IGNACIO MORENO, of Colombia, A.B. National College of St. Bartholomew 1914; M.D. Faculty of Medicine, Bogota 1925<br/> C. V. NATARAJAN, of India, S.B. Central College Bangalore 1920; M.B.B.S. Medical College Madras 1925<br/> VÁCLAV JAROMIR PROŠEK, of Czechoslovakia, M.D. University Carolo-Ferdinanda 1918<br/> MIRAZKAR RAMACHANDRA RAO, of India, A.B. Presidency College Madras 1918; M.B.B.S. Madras Medical College 1925<br/> ANGEL RASHKOFF, of Bulgaria, Dip.Sc. University of Natural Science Sofia 1914; M.D. University of Vienna 1924<br/> RODRIGO VARO, of Spain, L.M.M.D. University of Madrid 1924 and 1925<br/> JOSIP VRTOVEC, of Yugoslavia, M.D. University of Graz 1924 </p> |
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## MASTER OF MECHANICAL ENGINEERING

WITH TITLE OF ESSAY

- CLARENCE CHRISTIAN FRANCK, of Maryland, B.E. Johns Hopkins University 1926. Mechanical Engineering  
Condition Curves and Reheat Factors for Steam Turbines

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## MASTERS OF ARTS

### WITH TITLES OF ESSAYS

- ANNA MAY BAKER, of Virginia, A.B. Randolph-Macon College 1907. Mathematics  
The Tetracardioid
- JULIA ERNESTINE BECKER, of Maryland, S.B. Cornell University 1918. Chemical Hygiene.  
The Rôle of Milk Powder in Nutrition
- EWING TUCKER BONN, of Maryland. History  
British Public Opinion on the Mexican War 1846-1848
- ALICE VIRGINIA CAMERON, of Maryland. Romance Languages  
The Influence of Ariosto's Epic and Lyric Poetry on du Bellay, Baif, and Belleau
- DORIS MABLE COCHRAN, of the District of Columbia, A.B. George Washington University 1920; M.S. 1921. Zoology  
Peranema Trichophorum
- ARNOLD ROY FRANK, of Maryland, A.B. Johns Hopkins University 1926. English  
The Philosophy of Pope as Expressed in the Essay on Man
- JOHN DOUGLAS PITTS FULLER, of Maryland, S.B. The Citadel 1919. History  
The Trist Mission to Mexico
- WILLIAM SEBASTIAN HART, of Maryland, A.B. Johns Hopkins University 1924. Political Economy  
The Disintegration of Paper Mills in Baltimore County, Maryland
- ELEANOR CECILIA HEAVEY, of Maryland, S.B. Johns Hopkins University 1924. Romance Languages  
A Critical Edition of Du Ryer's *Cleomedon*
- CARL KAPLAN, of Maryland, B.S. in Chemistry Johns Hopkins University 1926. Physics  
The Theory of Perturbations
- MORRIS MAX ROISMAN, of Connecticut, A.B. Trinity College (Conn.) 1926. German  
Gutzkow's *Richard Savage*
- RICHARD HERBERT SMITH, of the District of Columbia, S.B. Moores Hill College 1915; S.B. Massachusetts Institute of Technology 1918. Physics  
Theoretical and Experimental Investigations of Strut Forms. Part I
- ERNEST ALBERT STRATHMANN, of Maryland, A.B. Johns Hopkins University 1926. English  
The Relationship of Civil Law and Civil Liberty in Milton and Hooker
- MARGARET WALLACE, of New Hampshire, A.B. Trinity College 1925. Political Economy  
Home and Institutional Child Life: An Analysis
- ROBERT CARL YATES, of Virginia, B.S. in C.E. Virginia Military Institute 1924; A.B. Washington and Lee University 1926. Mathematics  
On a Problem due to Steiner

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## DOCTORS OF ENGINEERING

### WITH TITLES OF DISSERTATIONS

- JULIAN DRENNER TEBO, of Maryland, B.E. Johns Hopkins University 1924. Electrical Engineering  
The Incremental Permeability Method of Magnetic Analysis of High-Speed Steel
- SIGMUND KITTNER WALDORF, of Maryland, B.E. Johns Hopkins University 1925. Electrical Engineering  
High Voltage Corona in Air

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## DOCTORS OF PUBLIC HEALTH

### WITH TITLES OF ESSAYS

- MIGUEL ENRIQUE BUSTAMANTE, of Mexico, M.D. National University of Mexico 1925  
Cysticercus Fasciolaris and Other Endoparasitic Helminths in Relation to Malignant Growths
- ALFREDO DEMARIA, of Chile, A.B. Valparaiso Lyceum 1914; M.B. University of Chile, Medical School 1917; M.D. 1921; M.P.H. Harvard School of Public Health 1927  
Periodical Fluctuations of Typhoid Fever. A Study of Their Relation to Rainfall and Total Annual Precipitation in Forty-six Large Cities of the United States
- HERMAN HENRY WILLIAM KUMM, of Germany, S.B. Haverford College 1921; M.D. Johns Hopkins University 1925; D.T.M.H. Conjoint Board of England 1927  
The Geographical Distribution of the Malaria Carrying Mosquitoes
- ALBERT GALLATIN LOVE, of Tennessee, A.B. University of Mississippi 1899; M.D. University of Tennessee 1904  
Pulmonary Tuberculosis and Valvular Heart Diseases among Young Men in Various Height-Weight and Height-Chest Zones
- GOLDSBOROUGH FOARD MCGINNES, of Virginia, M.D. University of Virginia 1925; C.P.H. Johns Hopkins University 1927  
An Epidemiological Study of Typhoid Fever as Observed in Baltimore, Maryland during the Winter Months 1924-1928
- HARRY WILLIAM ROSENTHAL, of Maryland, M.D. University of Maryland, College of Physicians and Surgeons 1914; C.P.H. Johns Hopkins University 1927  
The Effect of Monotony on Neuro-Muscular Activity and Coordination
- CHARLES GRANVILLE SOUDER, of Indiana, S.B. Ohio State University 1903; M.D. Johns Hopkins University 1907  
The Effect of Prophylactic Treatment upon Venereal Disease in the United States Army
- ANTONIO VIDAL, of Honduras, B.Sc.e.Lett. National Institute of Salvador 1915; M.D. National University of Salvador 1921  
Mosquitoes of America in Relation to Diseases of Man and Some Malaria Control Measures

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## DOCTORS OF SCIENCE IN HYGIENE

### WITH TITLES OF DISSERTATIONS

- JOSEPH BERKSON, of New Jersey, S.B. College of the City of New York 1920; A.M. Columbia University 1922; M.D. Johns Hopkins University 1927. Statistics  
Growth Changes in Physical Correlation Height-Weight and Chest Circumference Males
- MARY JEANNETTE CHAPMAN, of Tennessee, A.B. Randolph-Macon Woman's College 1920. Immunology.  
A Study of Coccidiosis in an Isolated Rabbit Colony: the Clinical Symptoms, Pathology, Immunology, and Attempted Therapy of the Disease
- FRED DONAGHY, of Indiana, A.B. Indiana State Normal School 1913; A.M. Indiana University 1915. Immunology  
Studies on Immunity to a Transplantable Rat Tumor: Walker's Tape Sarcoma
- ARTHUR WILLIAM HEDRICH, of Illinois, S.B. Northwestern University 1914; C.P.H. Harvard-Technology School of Public Health 1918. Statistics  
Epidemic Studies: The Monthly Variation of Measles Susceptibles in Baltimore, Maryland, from 1901 to 1928
- JOSEPH RAYMOND HOBBS, of Massachusetts, S.B. Massachusetts Institute of Technology 1925. Filterable Viruses  
Studies on the Nature of the Infectious Myxoma Virus of Rabbits
- REGINALD DICKINSON MANWELL, of Massachusetts, A.B. Amherst College 1919; A.M. 1926. Protozoology  
Relapse in Bird Malaria
- HERBERT LEE RATCLIFFE, of Georgia, S.B. Emory University 1925; S.M. 1926. Protozoology  
The Relation of the Intensity of Trichomonad Infections in Rats on Diets of Different Protein Content to the Bacteria and Hydrogen Ion Concentration in the Cecum
- ELIZABETH PERCY SANDERS, of Maryland, A.B. Goucher College 1923. Protozoology  
The Effects of Infections with Endamoeba Histolytica and Trypanosoma Equiperdum on the Blood Cells

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## DOCTORS OF MEDICINE

- FREDERICK RANDOLPH BAILEY, JR., of New Jersey, A.B. Princeton University 1924
- RICHARD TOWNSEND BEEBE, of Massachusetts, S.B. Princeton University 1924
- BERNARD BENJAMIN, of New York, S.B. College of the City of New York 1923
- LOUISE BRANSCOMB, of Alabama, A.B. Woman's College of Alabama 1921
- CRENSHAW DOUGLAS BRIGGS, of Virginia, S.B. Virginia Military Institute 1924
- THOMAS TESS CALLAGHAN, of West Virginia, A.B. West Virginia University 1924
- GEORGE GRAY CARTER, of Delaware, S.B. University of Delaware 1922; A.B. Balliol College, University of Oxford 1926
- HARRY WALTON COCHRAN, of Texas, A.B. University of Texas 1924
- MARIAN MINOR CRANE, of Illinois, A.B. Smith College 1918; M.S. Washington University 1921
- RICHARD CRALLE CUMMING, of Maryland, A.B. Kentucky Wesleyan College 1923
- ELBERT DECOURSEY, of Kentucky, A.B. University of Kentucky 1924
- MACDONALD DICK, of South Carolina, A.B. University of Virginia 1922; A.M. 1923
- KATHERINE GRAY DODGE, of Massachusetts, A.B. Vassar College 1923
- ALEXANDER MCGILL DUFF, JR., of Pennsylvania, S.B. Kenyon College 1924
- MIRIAM FRANCES DUNN, of Massachusetts, A.B. Smith College 1921; A.M. Trinity College (D. C.) 1922; Ph.D. Catholic University of America 1926
- HAROLD FINKELSTEIN, of Florida, S.B. Yale University 1924
- ALEXANDER MURRAY FISHER, of Maryland, S.B. Princeton University 1924
- GEORGE WILLIAM FREEMAN, of Washington, S.B. University of Washington 1924
- HARRY BERNARD FRIEDGOOD, of Michigan, A.B. University of Michigan 1924
- FRED SMITH GACHET, of Alabama, A.B. University of Alabama 1924
- CLARENCE E. GARDNER, JR., of Missouri, A.B. Wittenberg College 1924
- JOHN EVERETTE GARDNER, of Virginia, S.B. Roanoke College 1925
- FRED WILLIAM GEIB, of Pennsylvania, A.B. Johns Hopkins University 1924
- SIDNEY ARTHUR GLADSTONE, of Maryland, A.B. Cornell University 1924
- FRANCIS WILCOX GLUCK, of Maryland, A.B. Johns Hopkins University 1924
- JACQUES PIERCE GRAY, of Iowa, A.B. Grinnell College 1922
- JAMES PARK HANNER, of Georgia, S.B. Emory University 1923
- WILLIAM GROCE HARRISON, JR., of Alabama, A.B. University of Michigan 1924
- JEAN MALCOLM HEAD, of Pennsylvania, A.B. Vassar College 1924
- JAMES HENRY HERMETET, of Illinois, S.B. Knox College 1924
- GORDON FERGUSON HINDS, of Texas, A.B. University of Texas 1921



- THOMAS IRVING HOEN, of Maryland, A.B. Catholie University of America 1924.
- HAROLD ALEXANDER HOGUE, of Ohio, A.B. Yale University 1925
- HENRY GEORGE HOLLENBERG, of Arkansas, A.B. Princeton University 1924
- CHARLES AUGUSTUS HOLSHAUSER, of North Carolina, A.B. University of North Carolina 1924
- JOHN EAGER HOWARD, of Maryland, A.B. Princeton University 1924
- RICHARD PHILLIP HOWARD, of Idaho, S.B. University of Idaho 1923; M.S. 1924
- GERALD BLISS HURD, of Ohio, A.B. Hiram College 1924
- ROBERT RANDOLPH JONES, JR., of Texas, A.B. Davidson College 1924
- HOWARD CLAY KNAPP, of Indiana, A.B. Harvard University 1924
- JOHN HALE KUPP, of Pennsylvania, A.B. Lafayette College 1924
- GOTTLIEB LANGNER, JR., of Texas, A.B. University of Texas 1924
- BERT GRAY LAWRENCE, of West Virginia, A.B. West Virginia University 1924
- HARRY JAMES LEFKOWITZ, of Texas, A.B. University of Texas 1924
- MAURICE LEVINE, of Ohio, A.B. University of Cincinnati 1923; A.M. 1924
- LLOYD GRIFFITH LEWIS, of New York, A.B. Hamilton College 1924
- HORACE BOLTON LODER, of New Jersey, A.B. Dartmouth College 1925
- DONOVAN JAMES McCUNE, of Ohio, A.B. Georgetown University 1924
- CHARLES MORDECAI McLANE, of Maryland, A.B. Johns Hopkins University 1924
- ANDREW ANTHONY MARCHETTI, of Virginia, A.B. Richmond College 1924
- THOMAS WILSON MARTIN, III, of Pennsylvania, A.B. Princeton University 1924
- BEN DAVIS MASSEY, of Ohio, A.B. Wittenberg College 1924
- JAMES ALBERT MILLER, of Virginia, S.B. Muhlenberg College 1924
- PHILLIP ROBERT MILLER, of Pennsylvania, A.B. Lehigh University 1924
- OVID FLETCHER PEARSON, of Alabama, A.B. University of Alabama 1924
- MATTHEW CORELL PUGSLEY, of New York, A.B. Cornell University 1923; A.M. 1925
- DAVID HARRY ROSENBERG, of Pennsylvania, S.B. Washington and Jefferson College 1924
- WILLIAM MARSHALL ROWLAND, of Maryland, A.B. Johns Hopkins University 1924
- GERTRUDE MARY SHULTS, of New Jersey, A.B. Wellesley College 1923
- CHARLES LEONARD STEYAART, of New York, S.B. Colgate University 1924
- EDWARD STINSON, JR., of Maryland, S.B. Princeton University 1922
- MAURICE BENJAMIN STRAUSS, of New York, A.B. Amherst College 1924
- JAMES SPOTTISWOOD TAYLOR, JR., of North Carolina, S.B. Guilford College 1923
- THEODORE CAMPBELL THOMPSON, of Maryland, A.B. Rollins College 1924
- HARRY GARLAND TIMBRES, of Maryland, A.B. Haverford College 1921
- SARAH SHELDON TOWER, of Illinois, S.B. University of Chicago 1921; Ph.D. 1926
- GRACE EVELYN WILDER, of Maine, A.B. Colby College 1921
- HERBERT ELIJAH WILGIS, of Maryland, A.B. Johns Hopkins University 1924
- JACKSON THORNWELL WITHERSPOON, of Louisiana, S.B. Princeton University 1922; A.B. Oxford University 1925
- CHARLES MAURICE WOLBERT, of Pennsylvania, S.B. Lafayette College 1921

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#### WINNER OF THE WILLIAM H. HOWELL AWARD

SARAH SHELDON TOWER

### DOCTORS OF PHILOSOPHY

#### WITH TITLES OF DISSERTATIONS

- JUDSON LOWELL ANDERSON, of Maryland, A.B. Johns Hopkins University 1924. Geology  
Igneous and Metamorphic Rocks from the Andes of Central Peru
- SARAH JANET BASSETT, of Maryland, S.B. Johns Hopkins University 1923. Education  
Retention of History in the Sixth, Seventh, and Eighth Grades with Special Reference to the Factors that Influence Retention
- LLOYD MILLARD BERTHOLF, of Kansas, A.B. Southwestern College 1921; A.M. Johns Hopkins University 1925. Zoology  
Reactions to Light in the Honeybee
- EVELYN WYLIE BETTS, of Maryland, A.B. Goucher College 1910. Psychology  
Time Limit versus Work Limit in a Simple Learning Experiment
- STANLEY ROBERTS BLACK, of New York, A.B. Colby College 1921. Political Economy  
Investment Policies of Mutual Savings Banks
- THOMAS ROBERT SHANNON BROUGHTON, of Canada, A.B. University of Toronto 1921; A.M. 1922. Latin  
The Romanization of Africa Proconsularis
- WEAVER RINEHART CLAYTON, of Maryland, A.B. Western Maryland College 1924. Chemistry  
Reactions of Thiodiglycol

- ROBERT E. LEE COLLINS, of Maryland, A.B. Johns Hopkins University 1921. Geology  
Miocene Pelecypoda and Scaphopoda from the Isthmus of Tehuantepec, Mexico
- CHARLES FRANCIS DE GARIS, of Missouri, M.D. Washington University 1912; A.B. University of Wisconsin 1915; A.M. Johns Hopkins University 1926. Zoology  
Studies in Uniparental Inheritance in *Paramecium Caudatum*
- MARSHALL EDWARD DIMOCK, of California, A.B. Pomona College 1925. Political Science  
Congressional Investigating Committees
- JOHN GRAY DOUGLAS, of Maryland, A.B. Johns Hopkins University 1921. Geology  
Some Miocene Mollusks from Northwestern Venezuela
- ELIZABETH DUFFY, of North Carolina, A.B. North Carolina College for Women 1925; A.M. Columbia University 1926. Psychology  
Tensions and Emotional Factors in Reaction
- FREDERICK SHERWOOD DUNN, of New Hampshire, Litt.B. Princeton University 1914; LL.B. New York Law School 1917. Political Science  
The Practice and Procedure of International Conferences
- WARRICK RIGELEY EDWARDS, JR., of Maryland, S.B. in Chemistry Johns Hopkins University 1922. Chemistry  
A New Series of Cyclo-Pentane Derivatives
- ESTON EVERETT ERICSON, of Maryland, A.B. University of Montana 1923; A.M. University of Maryland 1925. English  
The Use of *Swa* in Old English
- JOSEPH HUGH FRAZER, of Maryland, A.B. Johns Hopkins University 1925. Physics  
An Optical Study of Adsorbed Films
- CURTIS WISWELL GARRISON, of Virginia, A.B. University of Richmond 1923. History  
The National Election of 1824
- FERDINAND WEAD HAASIS, of North Carolina, Sc.B. Rutgers College 1911; M.F. Yale University 1913. Plant Physiology  
Some Relations of Temperature and Length of Germination Period to the Percentage of Germination of Seeds, Especially of Pitch Pine and Rice
- RAYMOND MCGEARY HANN, of the District of Columbia, S.B. George Washington University 1925; S.M. 1926. Chemistry  
I Schiff's Bases Derived from Chloro Vanillin  
II Phenacyl, p-Chloro-phenacyl and p-Bromophenacyl Esters of Some Higher Fatty Acids.  
III Isomeric-2-Tolylimino-3-Tolyl-4-Phenyl, p-Chloro-Phenyl and p-Bromophenyl- $\Delta^{4:5}$ -Thiozoline
- CHARLES FREDERICK HARD, of Alabama, A.B. University of the South 1922; A.M. University of North Carolina 1924. English  
Studies in Aesthetic Influences on Edmund Spenser
- ELLIS HAWORTH, of the District of Columbia, A.B. George Washington University 1922; A.M. 1927. Chemistry  
The Specific Heats of Some Derivatives of Benzene and the Thermal Energy of the Substituent Groups Therein
- RAY LORENZO HEFFNER, of North Carolina, A.B. University of North Carolina 1921; A.M. 1925. English  
The Earl of Essex in Elizabethan Literature
- LEE ROY HERNDON, of Pennsylvania, A.B. Maryville College 1922. Chemistry  
The Decomposition of Organic Compounds at High Temperatures and Pressures
- EDWARD PENDLETON HERRING, of Maryland, A.B. Johns Hopkins University 1925. Political Science  
The Representation of Organized Groups before Congress
- HAROLD R. W. HULPIEU, of Kansas, A.B. Southwestern College 1923; A.M. University of Oklahoma 1924. Zoology  
The Effect of Oxygen on Amoeba; with Special Reference to Rate of Locomotion and Physical Structure
- MARY STELLA JOHNSON, of Georgia, S.B. Johns Hopkins University 1916. French  
Lamartine et Chateaubriand
- WARREN G. KEITH, of Kentucky, A.B. University of Richmond 1923; A.M. University of Virginia 1926. History  
Ulster and Exclusion, 1911-1925
- GABRIEL HOVANNES KEULEGAN, of the District of Columbia, A.B. Anatolia College 1910; A.B. Ohio State University 1913; A.M. 1915. Mathematics  
Vibrations of an Elongated U-Bar
- EMILY OOTHOUT LAMB, of California, A.B. Stanford University 1916. Psychology  
Racial Differences in Bi-Manual Dexterity of Latin and American Children
- GEORGE HENRY LATHAM, of Virginia, S.B. Virginia Polytechnic Institute 1917; A.M. University of South Carolina 1922. Chemistry  
The Thickness of Adsorbed Vapor Films II—The Adsorption of Polar Compounds on Plane Glass Surfaces
- GEORGE ISRAEL LAVIN, of Maryland, S.B. University of Virginia, 1925. Chemistry  
Reactions of Atomic Hydrogen and of Dissociated Water Vapor
- ERNEST MELSON MARKS, of Delaware, B.S. in Chem. Eng. University of Delaware 1918. Chemistry  
I The Ethylation of Benzene  
II Some Derivatives of s-Triethylbenzene
- RICHARD HALE MARVIN, of New York, M.E. Stevens Institute 1903; M.S. in E.E. Union College 1914. Electrical Engineering  
Anomalous Conduction as a Cause of Dielectric Absorption

- ETHEL CLARE NORTON, of Colorado, A.B. Colorado College 1909; A.M. 1913. Romance Languages  
The Peasant in the French Novel of the Nineteenth Century from 1800 to the Advent of Regionalism
- JOSEPH WILLIAM PETERS, of Maryland, A.B. Johns Hopkins University 1925; A.M. 1927. Mathematics  
Invariants of Sets of Points under Inversions
- JEREMIAH ALBERT PIERCE, of Colorado, A.B. University of Iowa 1909; S.M. University of Denver 1923. Chemistry  
A Study of the Reaction between Nitric Oxide and Hydrogen Sulphide
- KEITH EON POWLISON, of California, A.B. Columbia University 1922. Political Economy  
Profits of the National Banks
- LEONARD OWENS REA, of Maryland, A.B. Johns Hopkins University 1924. Political Economy  
The Financial History of Baltimore, 1900-1926
- GEORGE KENNETH REIBLICH, of Maryland, A.B. Johns Hopkins University 1925. Political Science  
A Study of Judicial Administration in the State of Maryland
- ALLIE W. RICHESON, of Maryland, S.B. University of Richmond 1918; A.M. Johns Hopkins University 1925. Mathematics  
Pentagons Inscribed in Circles
- JOHN ROY SANDIDGE, of Texas, A.B. Texas University 1920; S.M. Vanderbilt University 1922. Geology  
The Foraminifera of the Ripley Formation in Alabama
- ARNOLD HENRY SCOTT, of the District of Columbia, S.B. University of Mississippi 1921; A.M. 1923. Physics  
The Effect of Pressure on the Electrical Properties of Rubber and Gutta-Percha
- LEON FRANKLIN SENSABAUGH, of Tennessee, A.B. Vanderbilt University 1925. History  
Latin-American Disputes Referred to European Arbitration
- GEORGE WILSON SHAFFER, of Maryland, A.B. Johns Hopkins University 1924. Psychology  
Alertness and Motor Abilities of Athletes and Non-Athletes
- ALEXANDER FRANK SKUTCH, of Maryland, A.B. Johns Hopkins University 1925. Botany  
Anatomy of Leaf of Banana, *Musa sapientum* L. var. Hort. Gros Michel
- CORNELIA MARSHALL SMITH, of Texas, A.B. Baylor University 1918; A.M. University of Chicago 1923. Botany  
The Development of *Dionaea muscipula*
- MORTON TRACY SONNEBORN, of Maryland, A.B. Johns Hopkins University 1925. Zoology  
Genetic Studies of the Effects of Lead Acetate on *Stenostomum Caecum*, Mihi, with a Preliminary Account of the Life History
- JOSEPH JOHN SULLIVAN, of Maryland, A.B. Woodstock College 1917; A.M. 1924. Chemistry  
Catalytic Studies on Acetoacetic-Ester
- LESLIE BENNETT TRIBOLET, of Illinois, Ph.B. Denison University 1920. Political Science  
International Aspects of Electrical Communications in the Pacific Area
- ROBERT KERR WARING, of New Jersey, S.B. Virginia Military Institute 1924. Physics  
Absorption Bands in the Spectra of Mixtures of Metallic Vapors
- ROBERT NILES WASHBURNE, of Massachusetts, A.B. Williams College 1924; A.M. 1927. Chemistry  
Black Body Radiation and the Decomposition of Nitrogen Pentoxide in Molecular Beams
- JESSE HOWELL WEATHERBY, of Mississippi, S.B. Mississippi Agricultural and Mechanical College 1924; A.M. Johns Hopkins University 1926. Zoology  
Excretion of Nitrogenous Substances in Protozoa
- WILLIAM STANFORD WEBB, of Tennessee, A.B. Vanderbilt University 1920; A.M. University of North Carolina 1925. English  
Spenser and Vergil
- CHANNING WARD WILSON, of Indiana, S.B. University of Richmond 1925. Chemistry  
A Study of Gaseous Effusion at High Temperatures
- EDITH WILSON, of Illinois, A.B. Northwestern University 1919; S.M. Iowa State College 1922. Chemistry  
The Decomposition of Nitrogen Pentoxide at Low Pressures
- CHAO-KWANG WILLIAM WU, of China, A.B. Columbia University 1925. Political Science  
The Legal and Political Aspects of the Missionary Movement in China



## MUSIC

The program is under the direction of Philip S. Morgan and will be presented by the Johns Hopkins Orchestra, Bart Wirtz, Conductor. The orchestra was founded in 1919 by the Johns Hopkins Musical Association, organized for the promotion of good music in the University and community, the officers of which are Philip S. Morgan, of the Johns Hopkins Alumni Association, *President*; F. H. Gottlieb, *Vice-President*; Professor Frank Morley, *Secretary*; Professor J. B. Whitehead, *Treasurer*; F. C. Smith, *Executive Secretary*; S. Page Nelson, *Assistant Treasurer*. Sixty-six symphony concerts have been given, and the orchestra, which is composed chiefly of amateurs, has played on seventeen occasions for public exercises of the University.